

## I. CLAIM AMENDMENTS

Please amend the claims as indicated in the following listing:

1. through 50. Canceled.

51. (Currently amended) A method for printing a document using a computer connected to a plurality of printers comprising:

receiving a plurality of documents in a print queue, wherein each document is placed at the end of the print queue when it is received;

using a prioritization program, analyzing the plurality of documents in the print queue and prioritizing the plurality of documents in accordance with a user assigned priority stored in a data hidden in each document, wherein the user assigned priority may be a high priority, a medium priority, or a low priority;

adding an interrupt instruction to each document having the high priority;

ordering the plurality of documents in the print queue, wherein each document having the high priority is moved to the front of the print queue, followed by each document having the medium priority, and then followed by each document having the low priority, wherein the earliest document having the high priority is first in the print queue, and the newest document having the low priority is last in the print queue, and wherein all documents of like priority are placed in the print queue in the order they were received;

sending the plurality of documents in the print queue to a classification program;

using [[a]] the classification program, processing the print queue by separating each of  
the plurality of documents into a plurality of document pages each having a document page data  
hidden in the page, analyzing a document page data in each of the plurality of document pages to  
determine a required printer type, the plurality of document pages being from one of the plurality  
of documents, separating each of the plurality of document pages into a plurality of print jobs  
based on the required printer type for each document page, and sending each of the plurality of  
document pages to a type of printer based upon the document page data of each page, wherein  
the required printer types comprise: a specific printer, a color printer, and a black/white printer;

responsive to a determination by the prioritization program that one of the plurality of  
documents is an earliest high priority document, sending the earliest high priority document to  
the classification program and instructing the classification program to suspend the processing of  
printing a currently printing document by the classification program until the processing of the  
earliest high priority document has been completed, and then resume printing the currently  
printing document, and when the currently printing document is a high priority document, to  
finish printing the currently printing document and then print the earliest high priority document;  
and

responsive to each of the plurality of document pages being printed by an appropriate  
printer, reassembling the document.